



ENERGY FOUNDATION

能源基金会中国

气候领袖企业联盟

-合作、共赢、共享、互补

Climate Leader Plants Alliance

-Cooperation, Win-win, Sharing and Complementary

何 平

能源基金会（中国）

He Ping, Energy Foundation (China)

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# 中国企业节能低碳发展的国际环境

## Energy savings and low carbon development of Chinese companies in the global context



# 中国企业节能低碳发展的重点国家战略 Key National Strategies

## 绿色制造

### Green Manufacturing

中国制造业及其产品的能耗约占全国能耗的三分之二

中国制造2025提出中国实施制造强国的三步走战略，在中国成立100年时中国综合实力进入世界制造强国前列  
中国制造2025战略重点之一是建设绿色工厂，实现厂房集约化、原料无害化、生产结晶化、废物资源化、能源低碳化

《绿色制造工程实施指南（2016-2020）》提出：到2020年建成千家绿色示范工厂

Energy consumption in manufacturing accounts for 2/3 of national energy consumption in China

Made in China 2025 set 3 steps for China to become a strong country in manufacturing by 2049.

One key strategy is building green plants. To building 1000 green demonstrating plants by 2020.

## 一带一路

### One Belt- One Road

中国国家级的顶层发展战略。是中国与有关国家既有的双多边机制建立的区域合作平台

到2015年，我国承接的一带一路的服务外包合同金额为178亿美元，执行金额121亿美元，同比增长42%和23%

亚投行作为一带一路投资的主体，在对外投资项目时有节能环保的要求

National top-level development strategy.

By 2015, outsourcing contract reached \$17.8 billion, implemented \$12.1 billion, increased by 42% and 23%, respectively.

AIIB is the key investment body.

## 南南合作

### South-South Cooperation

是发展中国家间的经济技术合作。是发展中国家自力更生、蒙求进步、有效融入和参与世界经济的有效手段

中国致力于探索南南合作多元发展道路、促进各国发展战略对接、实现务实的发展成效和完善全球发展架构  
未来五年将向发展中国家提供“六个100”项目支持，其中包括100个生态保护和应对气候变化项目

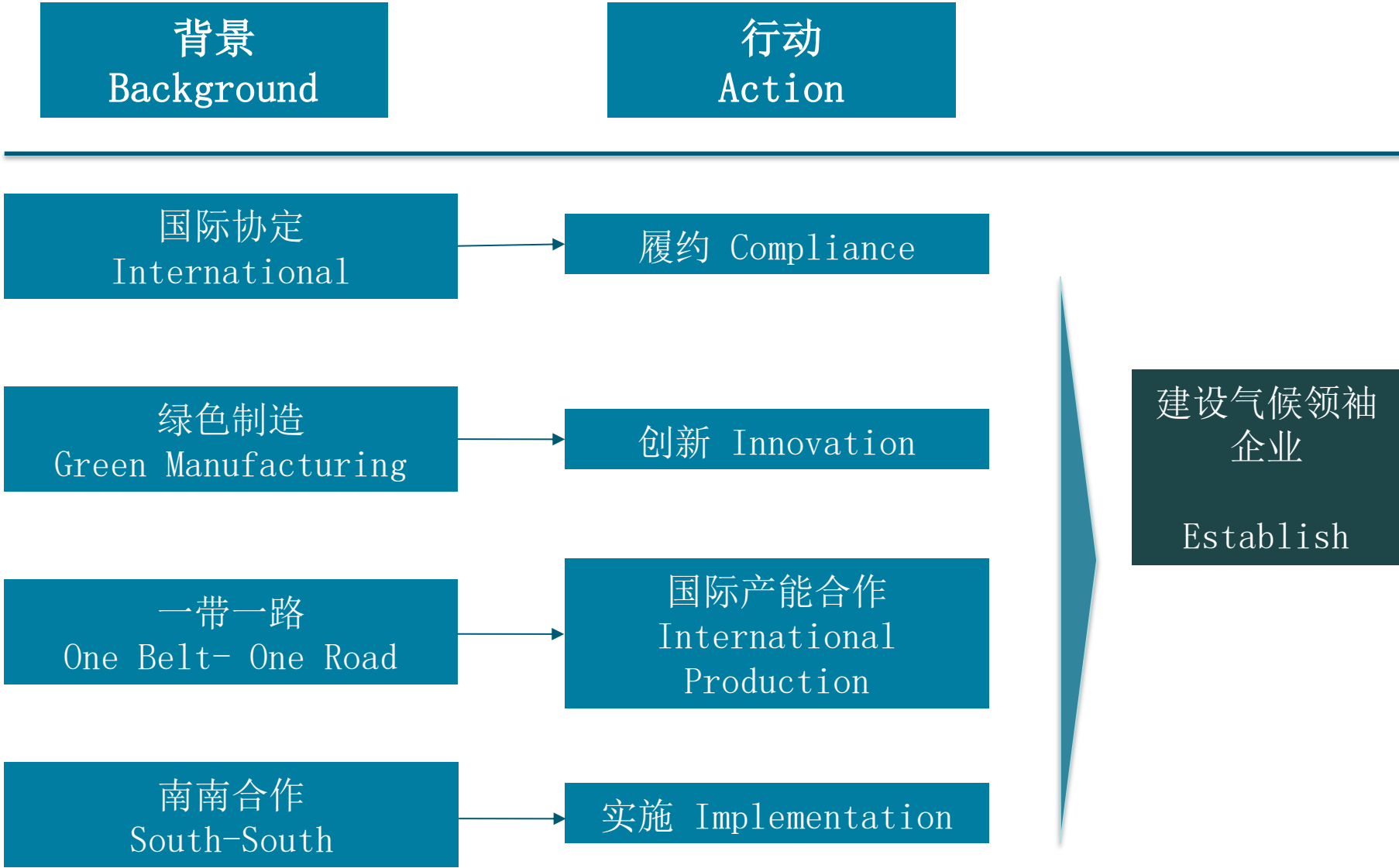
Economic and technology cooperation between developing countries.

An effective method to help developing countries become self-sustain, achieve progress, merge and participate in the global economy.

China is dedicated to explore various development for South-South Cooperation. China will provide support for “six 100” projects, including 100 eco

protection and climate change projects in the next five years.

# 为什么要建立气候领袖企业？ Why Climate Leader Plants?





# 气候领袖企业的愿景和目标 CLP Vision and Goal

## 定义 Definition

## 愿景 Vision

## 目标 Goal

应用先进工艺和设备  
采取切实可行的低碳技术、管理措施  
履行社会责任  
传播最佳实践  
引领行业发展  
在减少碳排放和应对气候变化方面做出杰出贡献

- Utilize advanced process and equipment
- Implement feasible low-carbon technologies and management measures
- Corporate Social Responsibility
- Lead the industry
- Make significant contribution to emissions reduction and climate change

推动主要工业行业和企业全面实施二氧化碳减排措施，创建气候领袖企业，使其成为中国绿色低碳发展的引领者和最佳实践传播者

Support key industrial pilot Climate Leader Plants to implement CO<sub>2</sub> mitigation options and to use their experience to provide leadership and best practice examples to scale across China's most energy-intensive industries

气候领袖企业试点  
选取50个气候领袖企业试点，通过能效和清洁能源措施减少二氧化碳排放，记录其二氧化碳减排量，并积极参与中国碳交易市场。

气候领袖企业规模化  
运用气候领袖工厂试点的经验，提供领导力和最佳实践案例，扩大到全国2000多家工业企业。

Climate Leader Plants Pilots  
By 2020, 50 selected pilot Climate Leader Plants reduce CO<sub>2</sub> emissions through energy efficiency and clean energy, document their CO<sub>2</sub> emissions reductions, and actively participate in China's cap-and-trade market

Climate Leader Plants Scale-Up  
Use the experience of the Climate Leader Plants Pilot to provide leadership and best practice examples to all of China's

# 能源基金会工业项目2016-2020战略

## EF China Industrial Program 2016-2020 Strategy

### 气候领袖企业

Climate Leader Plants

推动主要工业行业和企业全面实施二氧化碳减排措施，创建气候领袖企业，使其成为中国绿色低碳发展的引领者和最佳实践传播者

Support key industrial pilot Climate Leader Plants to implement CO<sub>2</sub> mitigation options and to use their experience to provide leadership and best practice examples to scale across China's most energy-intensive industries

### 可持续产品和消费

Sustainable Products and Consumption

帮助中国向世界提供节能、高效、持久、优质和可持续的材料和产品，显著提高工业企业可持续生产、消费和资源回收意识

Assist China's industry to provide the world with energy-efficient, long-lasting, high-quality, and sustainable materials and products and to significantly increase sustainable consumption and recycling awareness within industrial enterprises

### 工业城市提前达峰

Early Peaking Industrial Cities

推动中国工业城市的绿色低碳发展转型，其工业部门率先实现达峰目标

Help China to achieve an ambitious early peaking of industrial energy consumption and CO<sub>2</sub> emissions in key industrial cities

# 中国的能效合作联盟在发展

## China's EE Cooperation Alliance Development

工业节能大学联盟  
(82所)

Industry EE University  
Alliance (82)

综合

Comprehensive

地方节能合作机制  
(16个中心)

Local EE Cooperation  
Mechanism (16 centers)

通过研究提供政策建议  
建立最佳实践的共享平台  
为企业提供技术解决方案  
培养人才能力建设

Provide policy recommendation  
through research  
Establish best practice sharing  
platform  
Provide technical solutions  
Workforce capacity building

从2008年起召开了六届工  
业节能年会  
建设中国能效经济委员会  
(CCEEE)  
Six Annual Industrial  
EE Forum since 2008  
Established CCEEE

建立地方节能中心的共享平台  
通过政策研究提供政策建议  
为企业节能提供技术解决方案  
Establish local energy  
conservation center sharing  
platforms  
Provide policy recommendation  
through research  
Provide technical solutions

气候领袖企  
业联盟  
CLP  
Alliance

1

气候领袖企业标准设计和行动方案研究 Standard design and Action Plan  
Development

2

推动创建气候领袖企业的能力建设 Promote capacity building

3

建设气候领袖企业知识与信息传播中心 Establish a knowledge and information  
dissemination Center

4

建立气候领袖企业交流的公共平台 Establish a public platform

# 合作：气候领袖企业标准设计和行动方案

1

## Cooperation: Standard design and Action Plan Development

活动

Activities

目标

Goal

合作方

Partners

联手企业设计气候领袖企业的评价标准  
助力企业识别挖掘节能潜力

协助企业的制定能效提升目标

制定企业提高能效的路线图和行动方案  
探索建立企业国际能效合作的机制及平台，研究企业的国际产能合作战略

Design CLP standard

Help companies conduct energy savings potential analysis and comparison

Develop energy efficiency goal

Develop energy efficiency roadmap and action plan

Explore international EE cooperation mechanism and platform and research the international production collaboration strategy for companies

目标：帮助企业提高能源利用效率，完成企业的既定的节能目标，为中国2030提前实现二氧化碳排放峰值，兑现巴黎协定的承诺作贡献

Goal: Help companies improve energy efficiency, achieve their set energy saving goals, contribute to China's 2030 CO<sub>2</sub> early peaking goal and commitment in the Paris Agreement

合作方：中国节能服务产业委员会，国际能源署，气候领袖企业秘书处（筹），美国劳伦斯伯克利国家实验室，美国洛基山研究所，中国能源研究所，能源基金会，国际能效伙伴关系及其他参与方

EMCA, IEA, CLP Secretariat (in preparation), LBNL, RMI, ERI, EF China, IPEEC and others



## 共赢：推动创建气候领袖企业的能力建设

### Win-win: Promote capacity building

#### 活动

#### Activities

#### 目标

#### Goal

#### 合作方

#### Partners

选定领域试点气候领袖企业

开展气候领袖的创建活动（能源管理体系、能效领跑者、绿色供应链、绿色金融、智慧能源及分布式能源等）

制定行业标准和指南，编制手册与工具为企业和行业节能举办培训

组织企业的互访和交流

Select CLP pilot

Conduct CLP activities (EnMS, EE Top runner, green supply chain, green finance, smart energy and distributed energy)

Develop sector standards and guidance, develop brochures and tools

Trainings

Visit and exchange

目标：通过气候领袖企业的创建活动、增强企业的实施能力，提高企业能源利用效率。培育一批国际领先的气候领袖企业。

Goal: Through a series of actives for CLP to improve the implementation capability for companies and improve their energy efficiency. Nurture a batch of global advanced climate leader plants

合作方：中国节能服务产业委员会，气候领袖企业秘书处（筹），国际能效伙伴关系，超级能效计划，美国劳伦斯伯克利国家实验室，美国能效经济委员会，欧洲能效经济委员会，中国能效经济委员会，联合国环境规划署及其他参与方

EMCA, CLP Secretariat (in preparation), IPEEC, LBNL, ACEEE, ECEEE, CCEEE, UNEP and others

3

## 共享：建设气候领袖企业知识与信息传播中心

Sharing: Establish a knowledge and information dissemination C

活动 Activities	目标 Goal	合作方 Partners
<p>编制《中国气候领袖企业发展报告》</p> <p>气候领袖企业最佳实践的总结与传播</p> <p>设计提高公众节能意识的传播战略</p> <p>Develop <i>China Climate Leader Plants Development Report</i></p> <p>CLP best practices summary and dissemination</p> <p>Develop dissemination strategy to improve public awareness of energy efficiency</p>	<p>目标：帮助气候领袖企业通过信息共享和交流极大的提高公众和各相关方的节能意识</p> <p>Goal: Help Climate Leader Plants to share and exchange information and to significantly improve awareness of energy efficiency for the public and other stakeholders</p>	<p>合作方：中国能源研究所，国际能源署，国际能效伙伴关系，气候领袖企业秘书处（筹），能源基金会中国，联合国环境规划署，中国能效经济委员会，中国质量认证中心和中国节能服务产业委员会</p> <p>ERI, IEA, IPEEC, CLP Secretariat (in preparation), EF China, UNEP, CCEEE, CQC and EMC</p>

# 互补：建设气候领袖企业交流的公共平台

Complementary: Establish a public platform

活动

Activities

目标

Goal

合作方

Partners

召开各种形式的、各方参与的交流会/私享会

Information sharing event

帮助企业搭建与政府、金融机构和各相关方交流的平台

Establish platforms to communicate with government, financial institutions and other stakeholders

组织高端互访和学习活动

Organize high-level exchange and visits

召开年度气候领袖企业（上市公司）峰会

Annual CLP (public companies) Summit

设立气候领袖企业的秘书处

Establish a CLP Secretariat

目标：建立开放、包容、协同、综合、集成的气候领袖交流公共平台

Goal: Establish an open, inclusive, collaborative, comprehensive and integrated climate leaders communication platform

合作方：中国能源研究所，国际能源署，国际能效伙伴关系，气候领袖企业秘书处（筹），能源基金会中国，联合国环境规划署，中国能效经济委员会，中国质量认证中心和中国节能服务产业委员会

ERI, IEA, IPEEC, CLP Secretariat (in preparation), EF China, UNEP, CCEEE, CQC and EMCA

# 我们的目标

## Our Goal

建设合作、共赢、共享、互补的气候领袖企业联盟

Establish a collaborative, win-win, sharing  
and complementary Climate Leader Plants  
Alliance



ENERGY FOUNDATION

能源基金会

共创可持续未来

For a Sustainable Future